Washington State Department of Transportation

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E70912

Employer : Pierce County

Worksite : Pierce Co 901, 930 & 955 Tacoma Ave. S, 615 9th St.

Street : 901 Tacoma Ave S

Jurisdiction : City of Tacoma

Survey Date : 5/18/2016

Survey Type : Online

Response Rate : 57%

Drive Alone & One-Way VMT Rates at this Worksite

Drive Alone : 86.0%

One-Way VMT per employee : 12.2

Employees and Survey Response Information

Reported Total Employees at Worksite: 1,220

Surveys Distributed : 871

Surveys Returned : 493

Surveys Returned by CTR Affected Employees : 475

Total Estimated CTR - Affected Employees at Worksite : 839

Drive Alone - All Employees

One Way VMT per Employee - All Employees
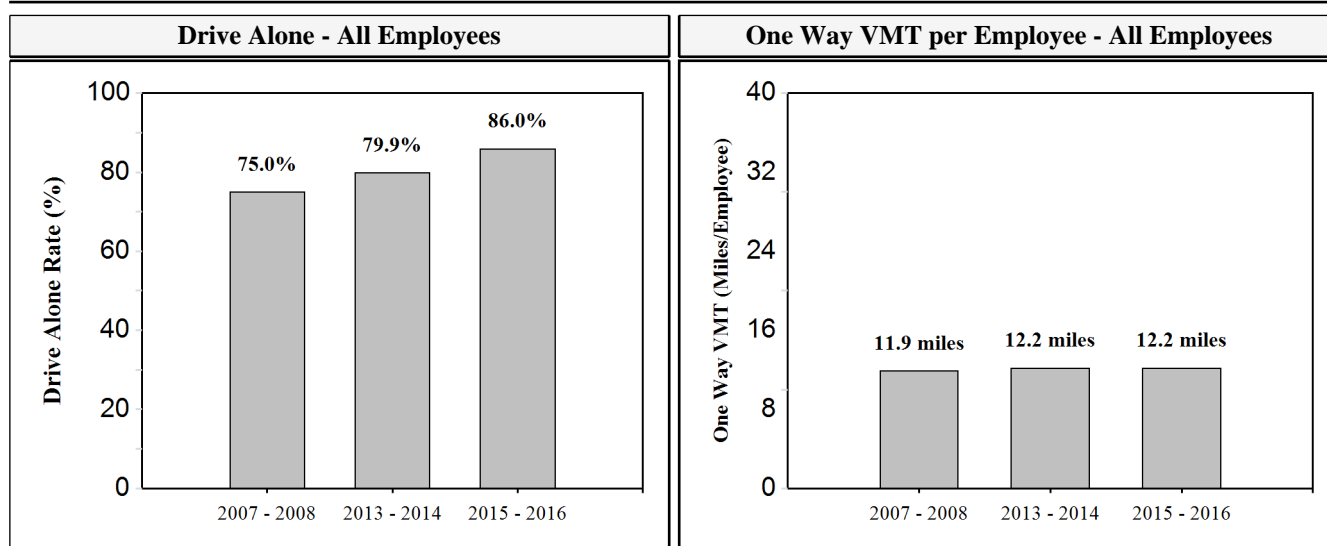
Site History and Goal

Cycle	Drive Alone - All	Drive Alone - CTR Affected	VMT / Employee - All	VMT / Employee - CTR Affected
2007 - 2008	75.0%	76.7%	11.9	11.7
2009 - 2010	74.0%	74.1%	11.3	11.1
2011 - 2012	75.9%	76.8%	12.2	11.6
2013 - 2014	79.9%	79.9%	12.2	12.2
2015 - 2016	86.0%	86.1%	12.2	12.2
2017 - 2018	N/A	N/A	N/A	N/A
2019 - 2020	N/A	N/A	N/A	N/A
Goal	TBD	TBD	TBD	TBD
Percent Change	14.7%	12.3%	2.5%	4.3%

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Comparison Between Rates With and Without Fill-In

The survey response rate is indicated on Page 1. To encourage a response rate of at least 70%, additional drive alone trips are added to survey results for worksites with a response rate of less than 70%. For these worksites it is assumed that non-responding employees between the actual response rate and 70% drive alone 5 days a week. These additional trips represent the "Fill-In" applied. Note that fill-in is not applied to a worksite's first survey in the 2007 to 2012 cycle (their baseline survey).

	2007 - 2008	2013 - 2014	2013 - 2014 Without Fill In	2015 - 2016	2015 - 2016 Without Fill In
Drive Alone - All Employees*	75.0%	79.9%	77.8%	86.0%	82.5%
Drive Alone - CTR Affected Employees*	76.7%	79.9%	77.7%	86.1%	82.5%
VMT/Employee - All Employees	11.9	12.2	12.0	12.2	11.9
VMT/Employees - CTR Affected Employees	11.7	12.2	12.0	12.2	11.8

* Drive alone rate includes one person motorcycles.

GHG Emissions: Total for Drive Alone, Carpools, Vanpools

Annual Greenhouse Gas Emissions (Metric Tons CO2e) for Roundtrip Commute*

Value	2007 - 2008	2013 - 2014	2015 - 2016
Emissions for Surveyed Employees	2,044	1,448	1,189
Estimated Emissions for Total Employment	3,216	2,963	2,943

* Estimated based on VMT from commuters driving alone, carpooling, vanpooling, or motorcycling, without fill-in applied.

Bus Transit Passenger Miles and Rail Transit Passenger Miles*

Annual Transit Passenger Miles (includes Roundtrip Commute)	2007 - 2008	2013 - 2014	2015 - 2016
Bus Annual Passenger Miles - Estimated for Total Employment	453,806	256,775	360,308
Bus Annual Passenger Miles - Surveyed Employees	288,400	125,500	145,600
Ferry Annual Passenger Miles - Estimated for Total Employment	0	0	0
Ferry Annual Passenger Miles - Surveyed Employees	0	0	0
Train/Light Rail/Streetcar Annual Passenger Miles - Estimated for Total Employment	944	41,943	0
Train/Light Rail/Streetcar Annual Passenger Miles - Surveyed Employees	600	20,500	0

* Transit passenger miles can be used to gauge changes in transit usage, and also to calculate greenhouse gas emissions from transit commute trips. However, emissions attributable to transit vary widely, depending on the efficiency/energy source of transit vehicles and transit vehicle passenger load (typically ranging from 0.1 to 0.9 pounds CO2e emissions/passenger mile). Employers are strongly encouraged to contact their local transit agencies for more precise information on GHG emissions for their transit trips. If nothing else is available, the value of 0.47 pounds (0.00021 metric tons) per passenger mile can be used to estimate CO2e emissions for bus transit, and 0.39 pounds (0.00018 metric tons) CO2e emissions per passenger mile for train/light rail/streetcar.
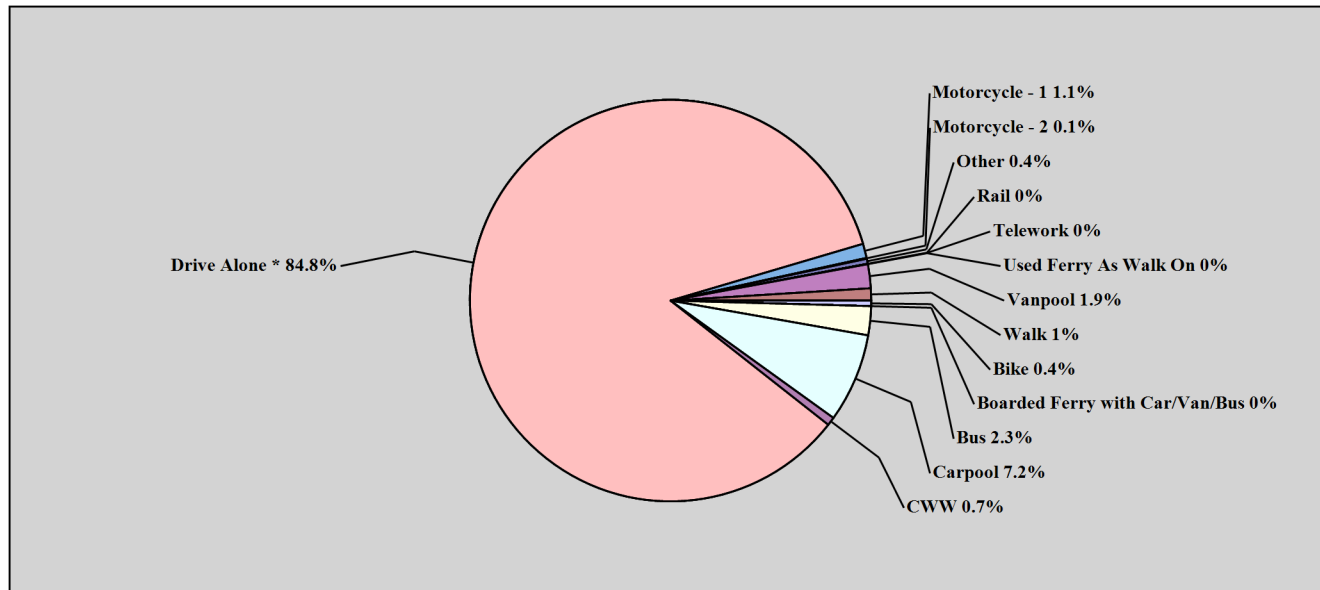
Q3.

One way, how many miles do you commute from home to your usual work location?
Average one-way distance home to work: 13.5 miles

Washington State Department of Transportation

Commute Trips By Mode - All Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees

Drive Alone * 84.8%

Motorcycle - 1 1.1%
Motorcycle - 2 0.1%
Other 0.4%
Rail 0%
Telework 0%
Used Ferry As Walk On 0%
Vanpool 1.9%
Walk 1%
Bike 0.4%
Boarded Ferry with Car/Van/Bus 0%
Bus 2.3%
Carpool 7.2%
CWW 0.7%

Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	2,511	84.8%	78.7%	425	86.2%	81.4%
Carpool	212	7.2%	9.7%	57	11.6%	14.2%
Vanpool	57	1.9%	5.1%	15	3.0%	5.7%
Motorcycle - 1	34	1.1%	1.1%	11	2.2%	2.3%
Motorcycle - 2	2	0.1%	0.1%	1	0.2%	0.4%
Bus	69	2.3%	2.2%	21	4.3%	3.9%
Rail	0	0.0%	0.4%	0	0.0%	0.7%
Bike	13	0.4%	0.2%	5	1.0%	0.7%
Walk	29	1.0%	0.9%	9	1.8%	1.4%
Telework	1	0.0%	0.1%	1	0.2%	0.5%
CWW	20	0.7%	0.9%	16	3.2%	3.0%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.0%	0	0.0%	0.0%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	12	0.4%	0.4%	4	0.8%	0.5%

* Drive alone mode includes fill-in, where applicable.

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Commute Trips By Mode - Affected Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)
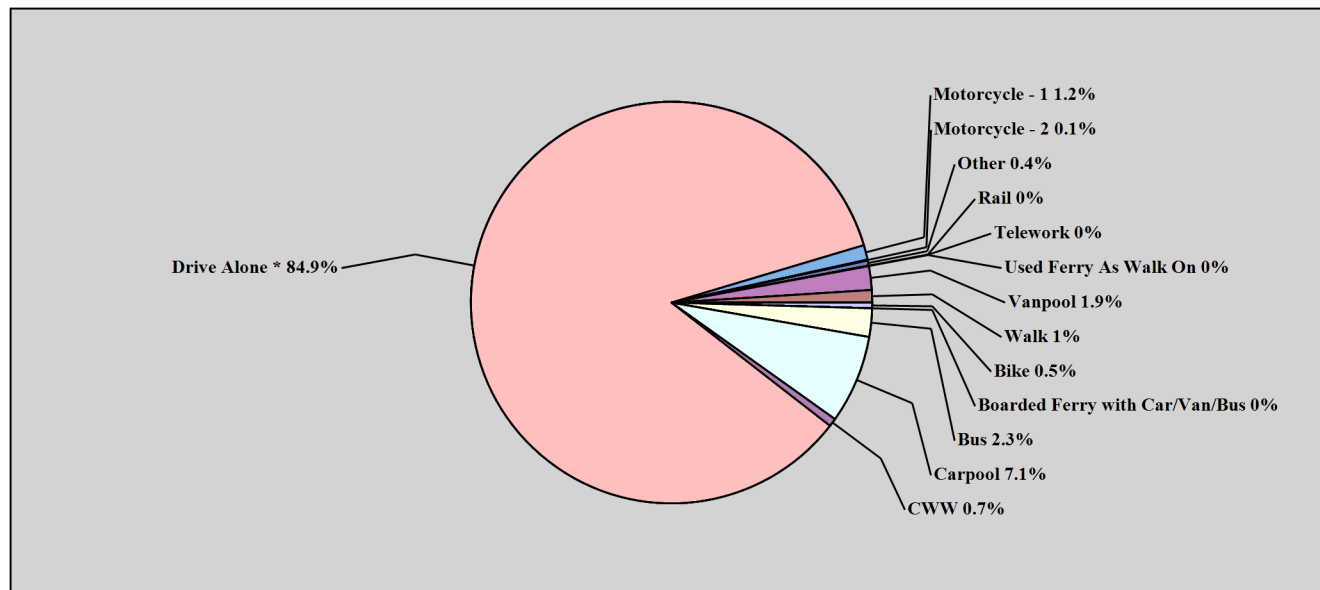

Mode Split - Affected Employees

Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	2,446	84.9%	78.6%	409	86.1%	81.1%
Carpool	205	7.1%	9.8%	55	11.6%	14.3%
Vanpool	55	1.9%	5.3%	14	2.9%	5.9%
Motorcycle - 1	34	1.2%	1.1%	11	2.3%	2.4%
Motorcycle - 2	2	0.1%	0.1%	1	0.2%	0.4%
Bus	66	2.3%	2.1%	20	4.2%	3.9%
Rail	0	0.0%	0.4%	0	0.0%	0.7%
Bike	13	0.5%	0.2%	5	1.1%	0.7%
Walk	29	1.0%	0.9%	9	1.9%	1.5%
Telework	1	0.0%	0.1%	1	0.2%	0.6%
CWW	19	0.7%	0.8%	15	3.2%	2.6%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.0%	0	0.0%	0.0%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	12	0.4%	0.3%	4	0.8%	0.4%

* Drive alone mode includes fill-in, where applicable.

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Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	371	75%	493	100%
1 Days	26	5%	122	25%
2 Days	14	3%	96	19%
3 Days	16	3%	82	17%
4 Days	17	3%	66	13%
5 Days	49	10%	49	10%
6 or More Days	0	0%	0	0%

Work Schedules By Group - All Employees (This table shows the relationship between work schedule and commute mode)

Employees who worked:	Drive Alone 5 days / week		Drive Alone 3 or 4 days / week		Used Bus At Least 3 days / week		Carpooled At Least 3 days / week		Used Rail At Least 3 days / week		Vanpooled At Least 3 times / week		Biked or Walked At Least 3 Days / week		Used 'Other' Modes At Least 3 Days / week		Used Non-Drive Alone At Least 3 Days / week	
5 days a week	300	66.4%	48	10.6%	12	2.7%	38	8.4%	0	0%	13	2.9%	7	1.5%	3	0.7%	75	16.6%
4 days a week (4/10s)	0	0%	17	81%	0	0%	3	14.3%	0	0%	0	0%	0	0%	0	0%	4	19%
3 days a week	0	0%	1	33.3%	2	66.7%	0	0%	0	0%	0	0%	0	0%	0	0%	2	66.7%
9 days in 2 weeks (9/80)	1	16.7%	4	66.7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
7 days in 2 weeks	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Other	2	22.2%	5	55.6%	0	0%	1	11.1%	0	0%	0	0%	0	0%	0	0%	1	11.1%

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Count by Occupancy of Carpools, Vanpools, and Motorcycles

Q.4b If you used a carpool or vanpool as part of your commute, or if you ride a motorcycle, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
1	Motorcycle	34
2	Motorcycle	2
2	Carpool	196
3	Carpool	14
4	Carpool	0
5	Carpool	0
>5	Carpool	2
<5	Vanpool	12
5	Vanpool	5
6	Vanpool	17
7	Vanpool	11
8	Vanpool	5
9	Vanpool	5
10	Vanpool	2
11	Vanpool	0
12	Vanpool	0
13	Vanpool	0
14	Vanpool	0
15	Vanpool	0

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Reported Work Schedule - All Employees

Q.5 Which of the following best describes your work schedule?

Reported Work Schedule
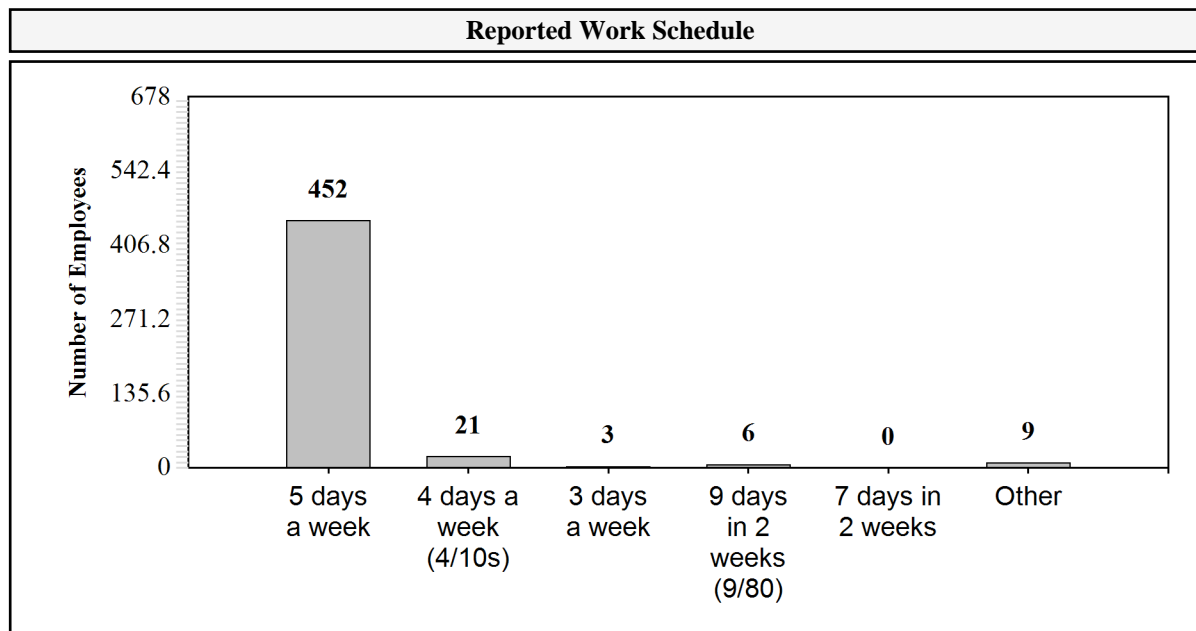
Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	452	92.1%
4 days a week (4/10s)	21	4.3%
3 days a week	3	0.6%
9 days in 2 weeks (9/80)	6	1.2%
7 days in 2 weeks	0	0%
Other	9	1.8%

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Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)
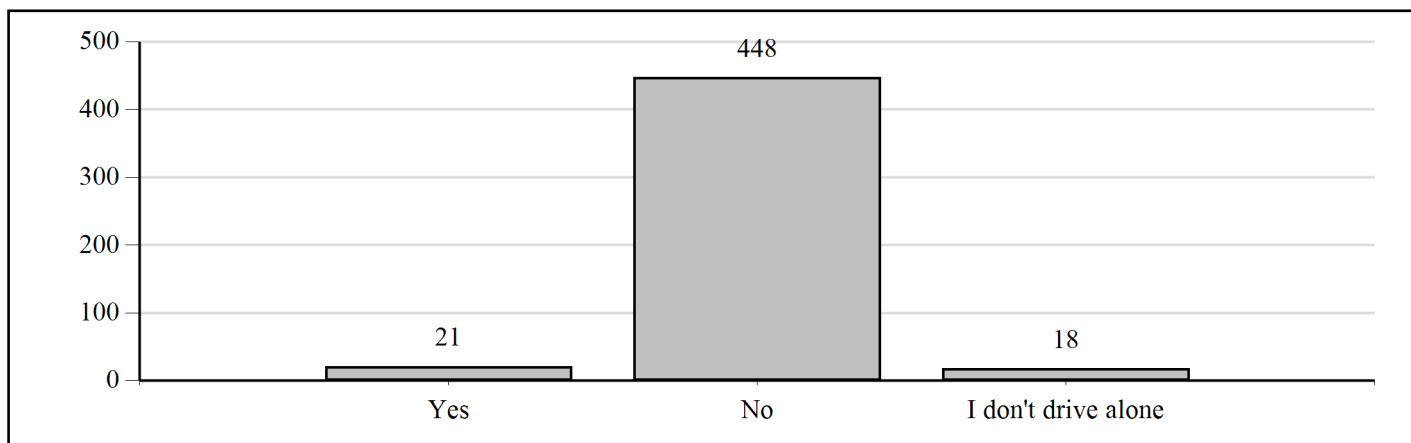
Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	2	0.4%
I don't telework	439	89.0%
Occasionally, on an as-needed basis	49	9.9%
1-2 days/month	2	0.4%
1 day/week	1	0.2%
2 days/week	0	0.0%
3 days/week	0	0.0%

Reasons for driving alone to work/not driving alone to work

Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
To save money	160	18.9%
Environmental and community benefits	104	12.3%
Free or subsidized bus, train, vanpool pass or fare benefit	100	11.8%
Other	89	10.5%
Personal health or well-being	79	9.3%
Cost of parking or lack of parking	75	8.9%
Financial incentives for carpooling, bicycling or walking.	67	7.9%
I have the option of teleworking	46	5.4%
Emergency ride home is provided	40	4.7%
Driving myself is not an option	38	4.5%
Preferred/reserved carpool/vanpool parking is provided	26	3.1%
To save time using the HOV lane	19	2.2%
I receive a financial incentive for giving up my parking space	3	0.4%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Riding the bus or train is inconvenient or takes too long	308	25.9%
I like the convenience of having my car	302	25.4%
Family care or similar obligations	210	17.7%
Other	108	9.1%
My commute distance is too short	95	8.0%
Bicycling or walking isn't safe	81	6.8%
My job requires me to use my car for work	57	4.8%
I need more information on alternative modes	22	1.9%
There isn't any secure or covered bicycle parking	4	0.3%

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Employee Transit Use - All Employees

Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	3	0	0	1	0	6	4	0	2	2
2	0	0	0	1	0	5	4	0	0	1
3	0	0	0	0	0	4	2	0	1	0
4	0	0	0	0	0	0	0	0	0	2
5	1	0	0	0	0	3	3	0	0	2
6	0	0	0	0	0	4	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	1	0	0	0	0
9	0	0	0	0	0	1	0	0	0	0
10	0	0	0	1	0	3	1	0	0	1
11 or more	0	0	0	0	0	1	0	0	0	1
# Of Employees using Transit	4	0	0	3	0	28	14	0	3	9
Total One-Way Transit Trips Per Week	8	0	0	13	0	125	43	0	5	44

Employee Transit Use - Affected Employees

Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	2	0	0	1	0	5	4	0	2	2
2	0	0	0	1	0	5	4	0	0	1
3	0	0	0	0	0	3	1	0	1	0
4	0	0	0	0	0	0	0	0	0	2
5	1	0	0	0	0	3	3	0	0	2
6	0	0	0	0	0	4	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	1	0	0	0	0
9	0	0	0	0	0	1	0	0	0	0
10	0	0	0	1	0	3	1	0	0	1
11 or more	0	0	0	0	0	1	0	0	0	1
# Of Employees using Transit	3	0	0	3	0	26	13	0	3	9
Total One-Way Transit Trips Per Week	7	0	0	13	0	121	40	0	5	44

Washington State Department of Transportation

Employer ID: E70912

Commute Mode By ZipCode for All Employees

Q8. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
	2	0.41%	11	0	0	0	0	0	0	0	0	0	0	0	0
98001	2	0.41%	5	0	0	7	0	0	0	0	0	0	0	0	0
98003	7	1.42%	36	0	0	0	0	0	0	0	0	0	0	0	0
98004	1	0.20%	5	0	0	0	0	0	0	0	0	0	0	0	0
98007	1	0.20%	5	0	0	0	0	0	0	0	0	0	0	0	0
98022	3	0.61%	8	0	0	0	0	0	0	0	0	0	0	0	0
98023	7	1.42%	25	8	0	0	0	0	0	0	0	0	0	0	0
98029	1	0.20%	0	0	0	0	5	0	0	0	0	0	0	0	0
98030	2	0.41%	5	4	0	0	0	0	0	0	0	1	0	0	0
98032	4	0.81%	17	0	0	2	0	0	0	0	0	0	0	0	0
98038	2	0.41%	1	7	0	0	0	0	0	0	0	1	0	0	0
98042	3	0.61%	15	0	0	0	0	0	0	0	0	0	0	0	0
98045	1	0.20%	5	0	0	0	0	0	0	0	0	0	0	0	0
98055	1	0.20%	5	0	0	0	0	0	0	0	0	0	0	0	0
98058	2	0.41%	10	0	0	0	0	0	0	0	0	0	0	0	0
98070	1	0.20%	4	0	0	0	1	0	0	0	0	0	0	0	0
98092	5	1.01%	18	0	3	0	0	0	0	0	0	0	0	0	0
98108	1	0.20%	0	3	0	0	0	0	0	0	0	0	0	0	0
98110	1	0.20%	5	0	0	0	0	0	0	0	0	0	0	0	0
98116	1	0.20%	5	0	0	0	0	0	0	0	0	0	0	0	0
98119	1	0.20%	1	0	0	0	4	0	0	0	0	0	0	0	0
98121	1	0.20%	0	0	0	0	5	0	0	0	0	0	0	0	0
98136	2	0.41%	5	5	0	0	0	0	0	0	0	0	0	0	0
98287	1	0.20%	5	0	0	0	0	0	0	0	0	0	0	0	0
98303	2	0.41%	0	5	0	0	0	0	0	0	0	0	0	0	0
98310	1	0.20%	1	0	4	0	0	0	0	0	0	0	0	0	0

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ZIP	Count	%													
98321	2	0.41%	10	0	0	0	0	0	0	0	0	0	0	0	0
98327	3	0.61%	14	0	0	0	0	0	0	0	0	0	0	0	0
98328	2	0.41%	10	0	0	0	0	0	0	0	0	0	0	0	0
98329	5	1.01%	14	5	0	1	0	0	0	0	0	1	0	0	0
98332	4	0.81%	17	0	0	0	0	0	0	0	0	0	0	0	0
98333	2	0.41%	6	0	3	0	0	0	0	0	0	0	0	0	0
98335	24	4.87%	89	25	0	0	3	0	0	0	0	1	0	0	0
98338	10	2.03%	48	0	0	0	0	0	0	0	0	0	0	0	0
98349	2	0.41%	6	0	0	0	4	0	0	0	0	0	0	0	0
98354	3	0.61%	15	0	0	0	0	0	0	0	0	0	0	0	0
98359	1	0.20%	0	5	0	0	0	0	0	0	0	0	0	0	0
98360	2	0.41%	9	0	0	0	0	0	0	0	0	1	0	0	0
98366	1	0.20%	1	0	0	0	4	0	0	0	0	0	0	0	0
98367	1	0.20%	5	0	0	0	0	0	0	0	0	0	0	0	0
98371	13	2.64%	59	0	0	0	5	0	0	0	0	0	0	0	0
98372	12	2.43%	58	0	0	0	1	0	0	0	0	0	0	0	0
98373	13	2.64%	53	5	0	0	0	0	0	0	0	1	0	0	0
98374	25	5.07%	89	20	8	0	1	0	0	0	0	2	0	0	0
98375	13	2.64%	57	5	0	0	0	0	0	0	0	1	0	0	1
98383	1	0.20%	1	0	0	0	0	0	0	0	0	0	0	0	0
98387	16	3.25%	63	0	10	0	0	0	0	0	0	1	0	0	0
98388	4	0.81%	22	0	0	0	0	0	0	0	0	0	0	0	0
98390	1	0.20%	7	0	0	0	0	0	0	0	0	0	0	0	0
98391	9	1.83%	30	0	15	0	0	0	0	0	0	1	0	0	0
98394	1	0.20%	3	2	0	0	0	0	0	0	0	0	0	0	0
98402	4	0.81%	17	0	0	0	0	0	0	5	0	0	0	0	0
98403	3	0.61%	11	0	0	0	0	0	0	4	0	0	0	0	0
98404	4	0.81%	15	5	0	0	0	0	0	0	0	0	0	0	0
98405	19	3.85%	61	10	0	2	3	0	1	13	0	1	0	0	0
98406	32	6.49%	125	16	0	0	5	0	7	5	0	0	0	0	0
98407	30	6.09%	118	12	0	5	0	0	4	0	0	1	0	0	3
98408	6	1.22%	28	0	0	0	0	0	0	0	0	2	0	0	0
98409	9	1.83%	43	2	0	1	0	0	0	0	0	0	0	0	0
98418	3	0.61%	6	5	0	0	2	0	0	2	0	0	0	0	0
98422	15	3.04%	64	3	0	4	0	0	1	0	0	0	0	0	0
98424	3	0.61%	15	0	0	0	0	0	0	0	0	0	0	0	0
98443	7	1.42%	31	0	0	0	0	0	0	0	0	0	0	0	5

98444	9	1.83%	33	2	0	0	5	0	0	0	0	0	0	0	0
98445	14	2.84%	52	10	2	3	0	0	0	0	0	0	0	0	0
98446	4	0.81%	20	0	0	0	0	0	0	0	0	0	0	0	0
98465	10	2.03%	41	5	0	0	4	0	0	0	0	0	0	0	0
98466	28	5.68%	104	23	0	5	10	0	0	0	0	0	0	0	0
98467	20	4.06%	84	9	0	4	0	0	0	0	0	0	0	0	0
98498	14	2.84%	55	3	0	0	0	0	0	0	0	4	0	0	3
98499	6	1.22%	20	1	0	2	2	0	0	0	0	0	0	0	0
98501	3	0.61%	10	0	4	0	0	0	0	0	0	0	0	0	0
98503	1	0.20%	0	0	5	0	0	0	0	0	0	0	0	0	0
98506	2	0.41%	5	2	3	0	0	0	0	0	0	0	0	0	0
98512	2	0.41%	6	3	0	0	0	0	0	0	0	0	0	0	0
98513	7	1.42%	31	0	0	0	0	0	0	0	1	0	0	0	0
98516	2	0.41%	7	2	0	0	0	0	0	0	0	0	0	0	0
98528	1	0.20%	0	0	0	0	5	0	0	0	0	0	0	0	0
98579	1	0.20%	5	0	0	0	0	0	0	0	0	0	0	0	0
98580	5	1.01%	24	0	0	0	0	0	0	0	0	1	0	0	0
98584	1	0.20%	5	0	0	0	0	0	0	0	0	0	0	0	0
98597	1	0.20%	5	0	0	0	0	0	0	0	0	0	0	0	0
99465	1	0.20%	4	0	0	0	0	0	0	0	0	0	0	0	0

Report generated on 5/24/2016